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Personalized Synthetic Long Peptide Breast Cancer Vaccine

National Cancer Institute

Source

National Cancer Institute. *Personalized Synthetic Long Peptide Breast Cancer Vaccine*.
NCI Thesaurus. Code C121947.

A cancer vaccine consisting of one or more long, synthetic peptides derived from patient-specific breast cancer tumor-associated antigens (TAAs), with potential immunomodulating and antineoplastic activities. Upon intramuscular administration of the personalized synthetic long peptide breast cancer vaccine, the peptides stimulate the host immune system to mount a cytotoxic T-lymphocyte (CTL) response against tumor cells expressing the TAAs, which results in tumor cell lysis.